



Sure-Gro Inc.
P.O. Box 21001, Brantford, ON, N3R 7W9
TEL (519) 754-2900 FAX (519) 754-2901



MATERIAL SAFETY DATA SHEET

PRODUCT: Roots - Liquid Root Stimulator

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 16515
Chemical Name: IBA: 3-Indole butyric acid
Etridiazole: 5-ethoxy-3-trichloromethyl-1,2,3-thiadiazole
Synonyms: IBA: Hormodin
Chemical Family: Not Applicable
Product Use: Plant Growth Regulator & Fungicide.
TDG Classification: Not Regulated

Code: 7 90684 0
7 90684 2

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
3-Indole butric acid	0.4	133-32-4	Oral, rat 2000	-
Etridiazole	0.01	2593-15-9	Oral, rat 1077 Dermal, rabbit 1370	-
Calculated LD50 for mixture			500,000	

SECTION 3 - PHYSICAL DATA

Physical State: Liquid
Specific Gravity: 1.200
Boiling Point: No Data
Vapour Pressure: No Data
% Volatiles: No Data
Solubility in Water: Soluble

Appearance/Odour: Thick clear blue liquid with strong distinct odour.
pH: 7.5 - 8.5
Freezing/Melting Point: No Data
Vapour Density: No Data
Evaporation Rate: No Data

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Applicable
Lower Explosion Limit %: Not Applicable
Fire Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, Water Fog
Fire Fighting Procedures: Wear self-contained Breathing Apparatus and impervious clothing. Minimize amount of water used and contain the run-off.
Other Fire or Explosion Hazards: When heated to decomposition, emits toxic fumes.

Autoignition Temperature: Not Applicable
Upper Explosion Limit %: Not Applicable

SECTION 5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Avoid high temperatures, decomposes on heating.
Incompatibility (Materials to Avoid): Strong acids and oxidants.
Hazardous Decomposition Products: Chlorine and oxides of carbon, nitrogen and sulphur.

Hazardous Polymerization: Will Not Occur

Roots – Liquid Root Stimulator

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: May cause irritation to skin with prolong exposure. Irritation and/or damage with eye contact. Symptoms of overexposure may include dizziness, drowsiness, incoordination, irritation to the eyes, throat, respiratory tract and nausea.

Effects of Chronic Exposure: IBA cause tumours and hypoglycaemic effects in rats.

Other Health Effects: None Known

SECTION 7 - FIRST AID PROCEDURES

Inhalation: None Likely Required. Move victim to fresh air. OBTAIN MEDICAL ADVICE if symptoms persist.

Skin Contact: Flush skin with running water and thoroughly wash with soap and water. If irritation persists seek Medical Attention.

Ingestion: Give 1 to 2 glasses (200 to 500 ml) of water to dilute material. Do not induce vomiting. OBTAIN MEDICAL ADVICE.

Eye Contact: Flush eyes with running water for 20 minutes. Hold eye lids open during flushing. If irritation persists seek Medical Attention.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection: None required

Eye Protection: None required under normal usage.

Skin Protection: Chemical resistant gloves

Other Personal Protective Equipment: Coveralls.

Engineering Controls: None Required

Handling Procedures and Equipment: Avoid contact with eyes, skin and clothing. Wash thoroughly after use.

Storage Requirements: Store in cool, dry, ventilated area. Keep out of reach of children.

Storage Temperature: Min: 5 °C Max: 40 °C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: Stop leak and clean up spill immediately. For large spills - contain by diking and absorb with suitable absorbent and transfer into waste containers for disposal. Clean area with soap and water.

Waste Disposal: Dispose of empty container in household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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